

10/500184

## SEQUENCE LISTING

<110> SUGO, Izumi  
TOMONOU, Kikuo

<120> METHOD FOR STABILIZING PROTEINS

<130> 14875-132US1

<140> US 10/500,184  
<141> 2004-06-25

<150> PCT/JP02/13804  
<151> 2002-12-27

<150> JP 2001-400895  
<151> 2001-12-28

<160> 28

<170> PatentIn Ver. 2.1

<210> 1  
<211> 14  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:an artificially synthesized primer sequence

<400> 1

aatttggaaagc ttgc

14

<210> 2  
<211> 14  
<212> DNA  
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<220>

<223> Description of Artificial Sequence:an artificially synthesized primer sequence

<400> 2

ccttcgaacg ttaa

14

<210> 3  
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<212> DNA  
<213> Artificial Sequence

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<223> Description of Artificial Sequence:an artificially synthesized primer sequence

<400> 3  
gagtctagaa tggattggtg ggaatgatcc tgcgaatatg c 41

<210> 4  
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<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:an artificially synthesized primer sequence

<400> 4  
gagaatttcg ggtcatacat actatgcata ttgcgcaggat 40

<210> 5  
<211> 43  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:an artificially synthesized primer sequence

<400> 5  
gagtctagaa tggattggtg ggaatgatcc tgcgaataag cat 43

<210> 6  
<211> 40  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:an artificially synthesized primer sequence

<400> 6  
gagaatttcg ggtcatacat actatgctta ttgcgcaggat 40

<210> 7  
<211> 43  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:an artificially synthesized primer sequence

<400> 7  
gagtctagaa tggattggtg ggaatgatcc tgcgaattgg cat 43

<210> 8

<211> 40  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:an artificially synthesized primer sequence

<400> 8  
gagaatttcg ggtcatacat actatgccaa ttgcgcaggat 40

<210> 9  
<211> 43  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:an artificially synthesized primer sequence

<400> 9  
gagtctagaa tggattggtg ggaatgatcc tgcgaatcag cat 43

<210> 10  
<211> 40  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:an artificially synthesized primer sequence

<400> 10  
gagaatttcg ggtcatacat actatgctga ttgcgcaggat 40

<210> 11  
<211> 43  
<212> DNA  
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<220>  
<223> Description of Artificial Sequence:an artificially synthesized primer sequence

<400> 11  
gagtctagaa tggattggtg ggaatgatcc tgcgaatgag cat 43

<210> 12  
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<223> Description of Artificial Sequence:an artificially synthesized primer sequence

<400> 12  
gagaatttcg ggtcatacat actatgctca ttgcgcaggat 40

<210> 13  
<211> 43  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:an artificially synthesized primer sequence

<400> 13  
gagtctagaa tggattggtg ggaatgatcc tgcgaatttc cat 43

<210> 14  
<211> 40  
<212> DNA  
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<220>  
<223> Description of Artificial Sequence:an artificially synthesized primer sequence

<400> 14  
gagaatttcg ggtcatacat actatggaaa ttgcgcaggat 40

<210> 15  
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<212> DNA  
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<210> 17  
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<400> 17  
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<210> 18  
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<400> 18  
gagaatttcg ggtcatacat actatggta ttcgcaggat 40

<210> 19  
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<400> 19  
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<210> 20  
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<400> 20  
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<210> 21  
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<210> 22  
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<210> 23  
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<210> 24  
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 <400> 24  
 gagaatttcg ggtcatacat actatggcaa ttcgcaggat 40

<210> 25  
 <211> 444  
 <212> PRT  
 <213> Homo sapiens  
 <400> 25  
 Gln Val Gln Leu Leu Glu Ser Gly Ala Val Leu Ala Arg Pro Gly Thr  
 1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Phe Asn Ile Lys Asp Tyr  
 20 25 30

Tyr Met His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile  
 35 40 45

Gly Gly Asn Asp Pro Ala Asn Gly His Ser Met Tyr Asp Pro Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Thr Ser Thr Ser Thr Val Phe  
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg Asp Ser Gly Tyr Ala Met Asp Tyr Trp Gly Gln Gly Thr Leu  
 100 105 110

Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu  
 115 120 125

Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser Thr Ala Ala Leu Gly Cys  
 130 135 140

Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser  
 145 150 155 160

Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser  
 165 170 175

Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser  
 180 185 190

Leu Gly Thr Lys Thr Tyr Thr Cys Asn Val Asp His Lys Pro Ser Asn  
 195 200 205

Thr Lys Val Asp Lys Arg Val Glu Ser Lys Tyr Gly Pro Pro Cys Pro  
 210 215 220

Pro Cys Pro Ala Pro Glu Phe Leu Gly Gly Pro Ser Val Phe Leu Phe  
 225 230 235 240

Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val  
 245 250 255

Thr Cys Val Val Val Asp Val Ser Gln Glu Asp Pro Glu Val Gln Phe  
 260 265 270

Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro  
 275 280 285

Arg Glu Glu Gln Phe Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr  
 290 295 300

Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val  
 305 310 315 320

Ser Asn Lys Gly Leu Pro Ser Ser Ile Glu Lys Thr Ile Ser Lys Ala  
 325 330 335  
 Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Gln  
 340 345 350  
 Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly  
 355 360 365  
 Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro  
 370 375 380  
 Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser  
 385 390 395 400  
 Phe Phe Leu Tyr Ser Arg Leu Thr Val Asp Lys Ser Arg Trp Gln Glu  
 405 410 415  
 Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His  
 420 425 430  
 Tyr Thr Gln Lys Ser Leu Ser Leu Gly Lys  
 435 440

<210> 26  
 <211> 214  
 <212> PRT  
 <213> Homo sapiens

<400> 26  
 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
 1 5 10 15  
 Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Asp Ile Lys Ser Phe  
 20 25 30  
 Leu Ser Trp Tyr Gln Gln Lys Pro Glu Lys Ala Pro Lys Ser Leu Ile  
 35 40 45  
 Tyr Tyr Ala Thr Ser Leu Ala Asp Gly Val Pro Ser Arg Phe Ser Gly  
 50 55 60  
 Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro  
 65 70 75 80  
 Glu Asp Phe Ala Thr Tyr Tyr Cys Leu Gln His Gly Glu Ser Pro Tyr  
 85 90 95  
 Thr Phe Gly Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala  
 100 105 110  
 Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly  
 115 120 125  
 Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala

130	135	140
Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln		
145	150	155
160		
Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser		
165	170	175
Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr		
180	185	190
Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser		
195	200	205
Phe Asn Arg Gly Glu Cys		
210		

<210> 27	
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<212> DNA	
<213> Artificial Sequence	
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<223> Description of Artificial Sequence:an artificially synthesized sequence	
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gagtctagaa tggattggtg ggaatgatcc tgcgaat	37
<210> 28	
<211> 39	
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nnattcgcag gatcattccc accaatccat tctagactc	39